

Fig. 1

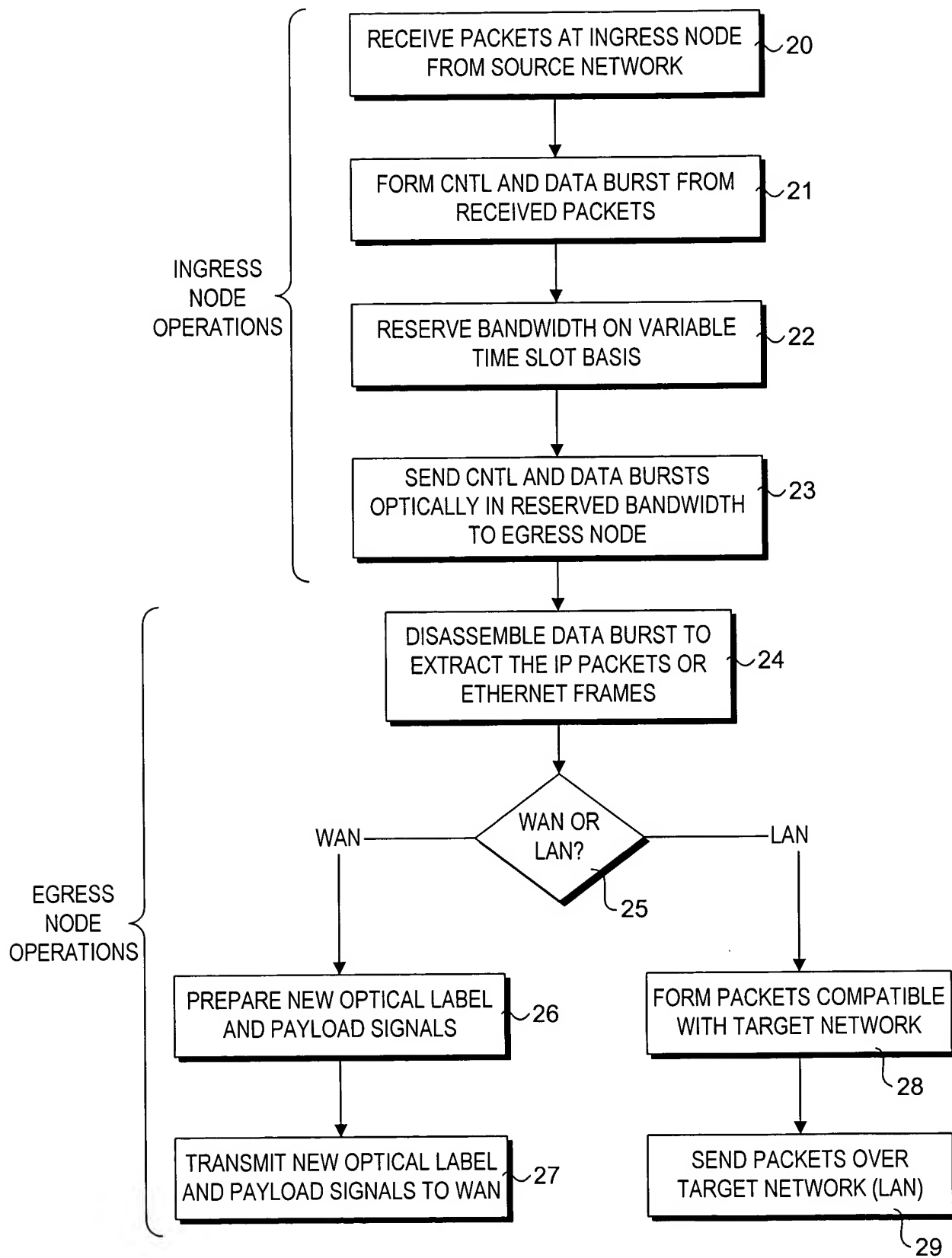


Fig. 2

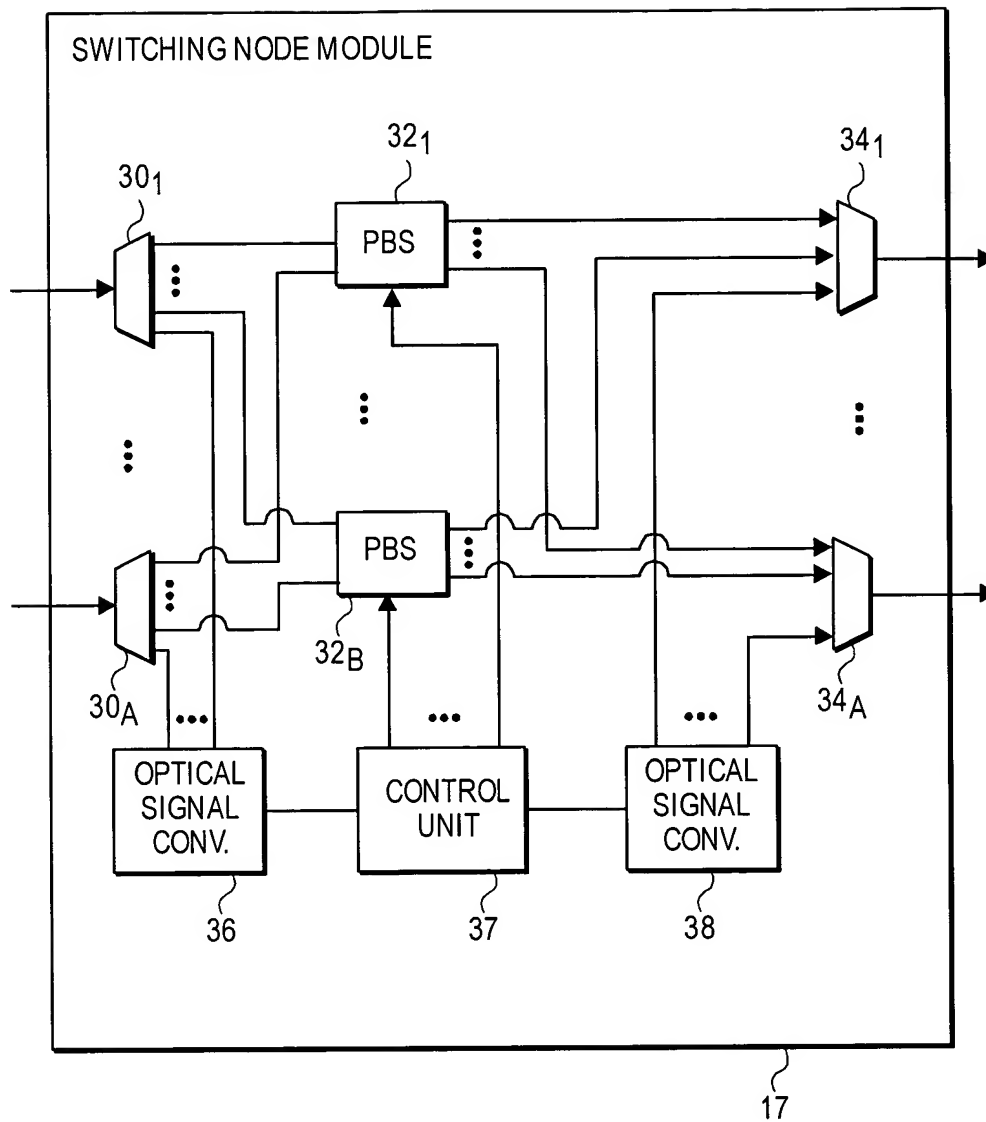


Fig. 3

OPTICAL DATA BURST FORMAT

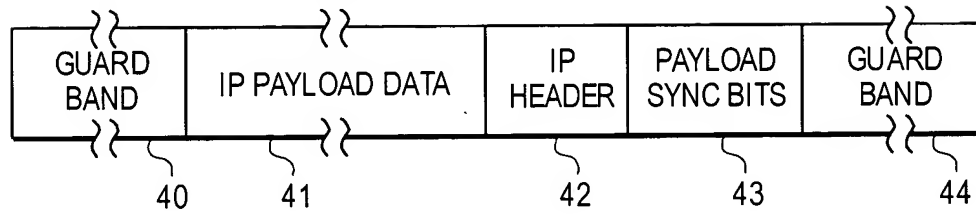


Fig. 4a

OPTICAL CONTROL BURST FORMAT

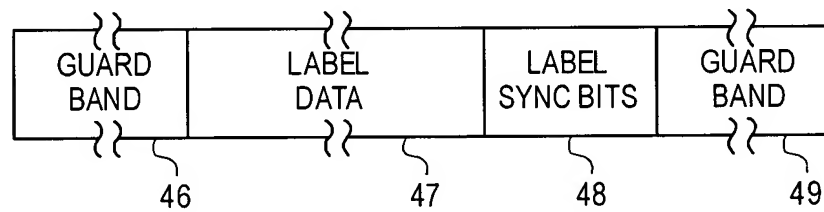


Fig. 4b

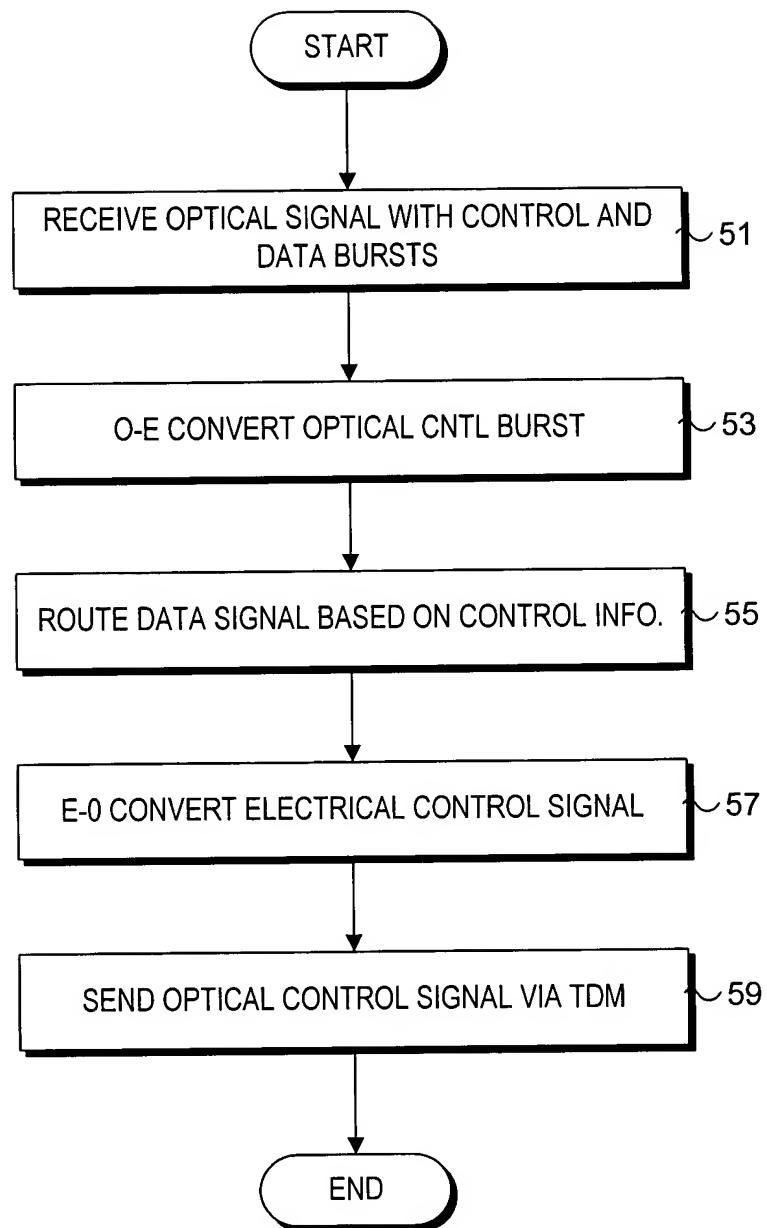


Fig. 5

Fig. 6a

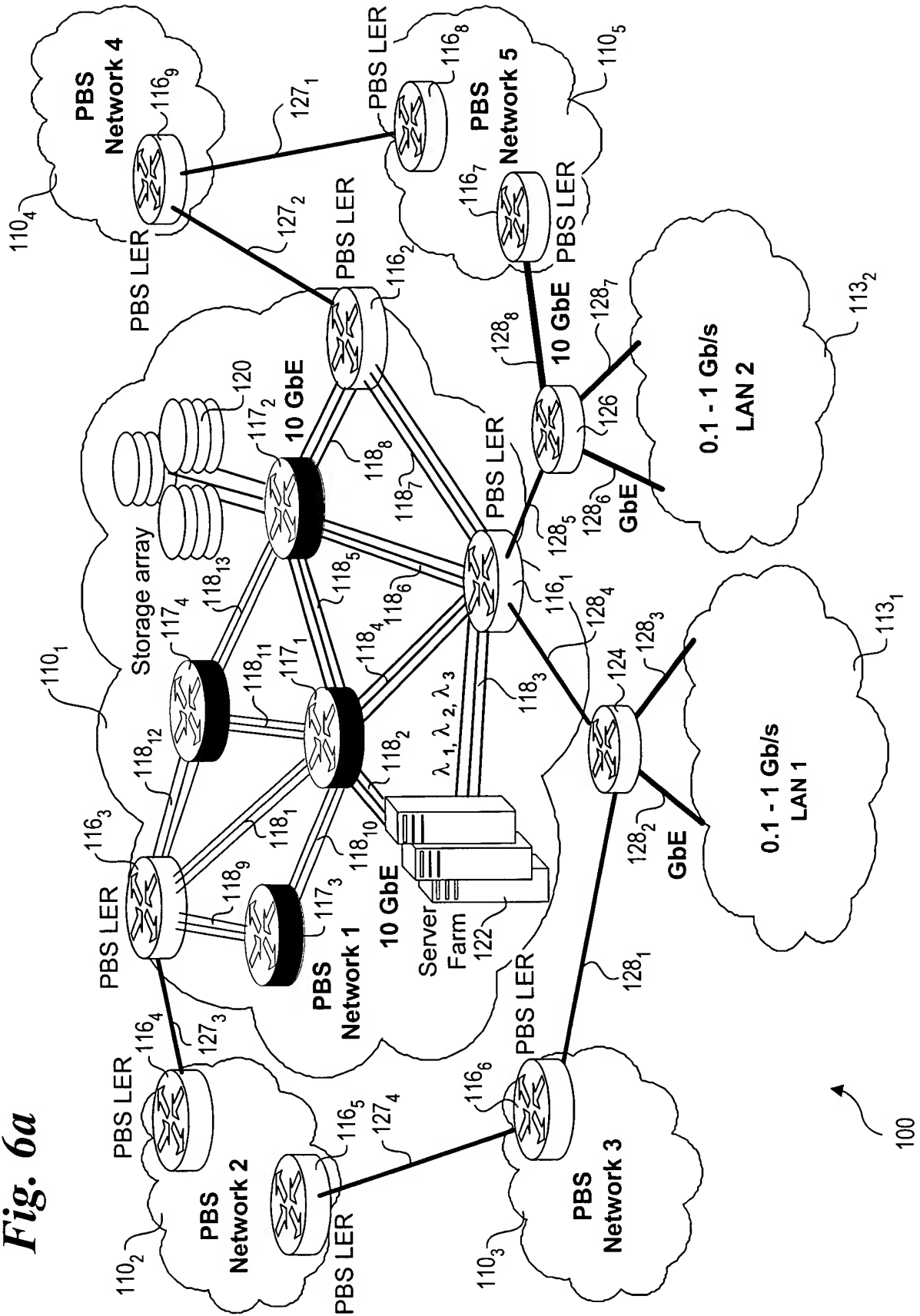


Fig. 6b

Fig. 6b is a network diagram showing a central Autonomous System (AS 1) connected to five other Autonomous Systems (AS 2, AS 4, AS 5, AS 6, AS 7). AS 1 is represented by a cloud and contains several BGP routers (116_1, 116_2, 116_3, 116_4, 116_5, 116_6, 116_7, 116_8, 116_9) and PBS LER routers (127_1, 127_2, 127_3, 127_4). AS 2 is a cloud containing BGP router 116_5 and PBS LER router 127_4. AS 4 is a cloud containing BGP router 116_9 and PBS LER router 127_1. AS 5 is a cloud containing BGP router 116_8 and PBS LER router 127_2. AS 6 is a cloud containing Conv router 128_1 and GbE router 128_2. AS 7 is a cloud containing Conv router 128_2 and GbE router 128_3. Connections are shown between BGP routers and between PBS LER routers. Dashed lines indicate connections between BGP routers 116_3 and 116_1, 116_3 and 116_2, and 116_1 and 116_2. Solid lines indicate connections between PBS LER routers 127_1 and 127_2, 127_2 and 127_3, 127_3 and 127_4, and 127_4 and 127_1. Additionally, solid lines connect BGP router 116_5 to PBS LER router 127_4, BGP router 116_9 to PBS LER router 127_1, BGP router 116_8 to PBS LER router 127_2, Conv router 128_1 to GbE router 128_2, and Conv router 128_2 to GbE router 128_3.

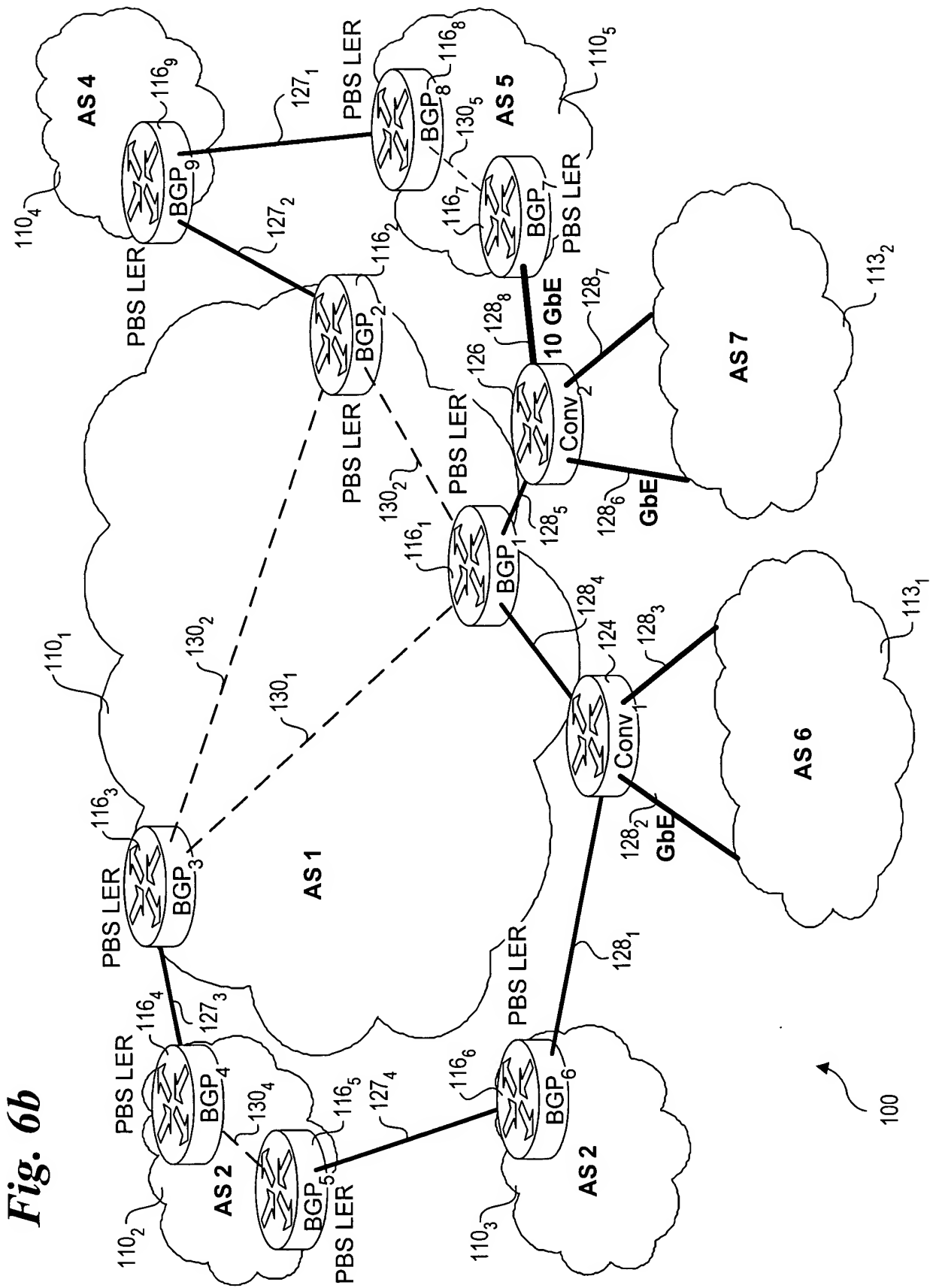
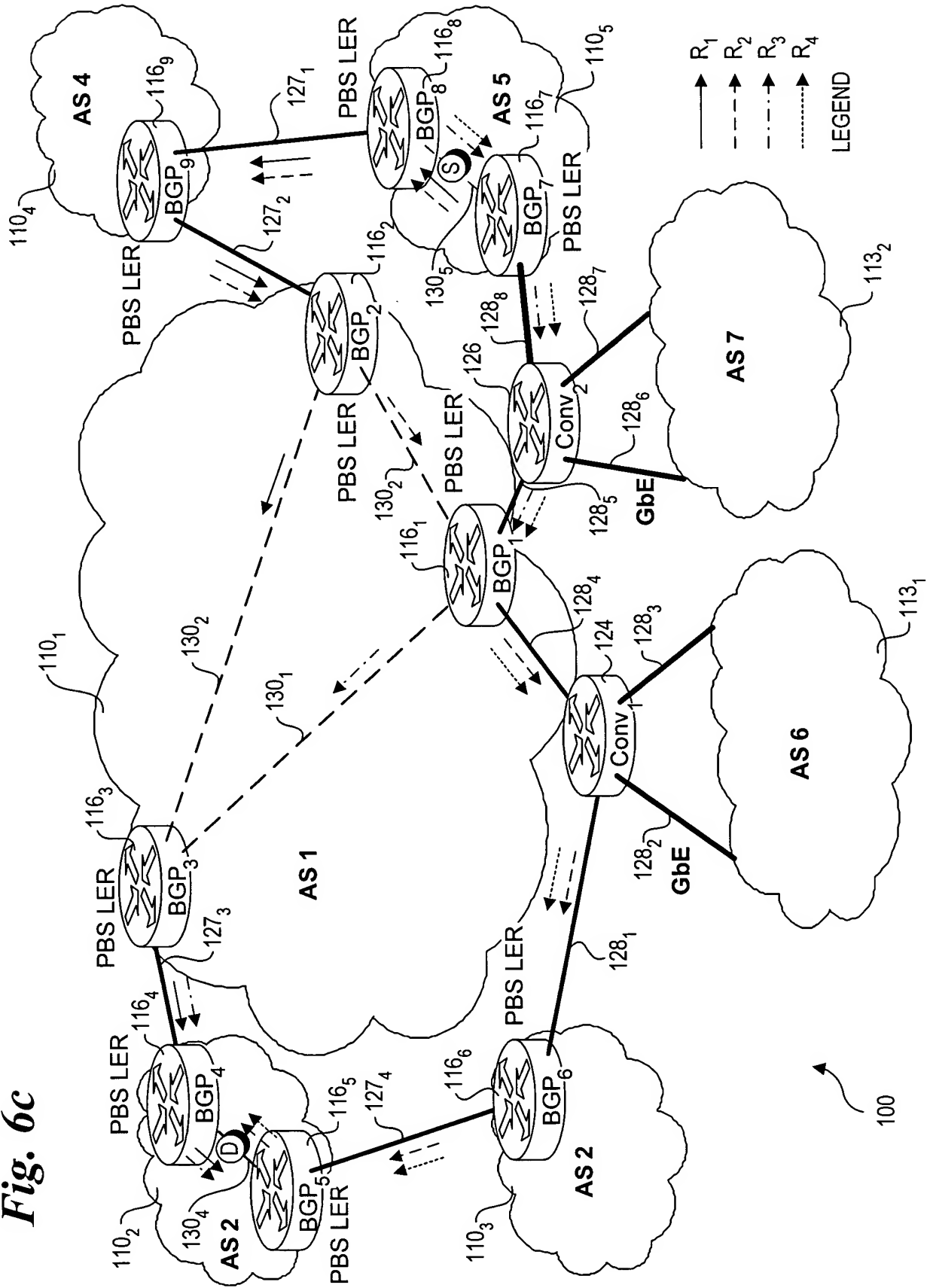


Fig. 6c



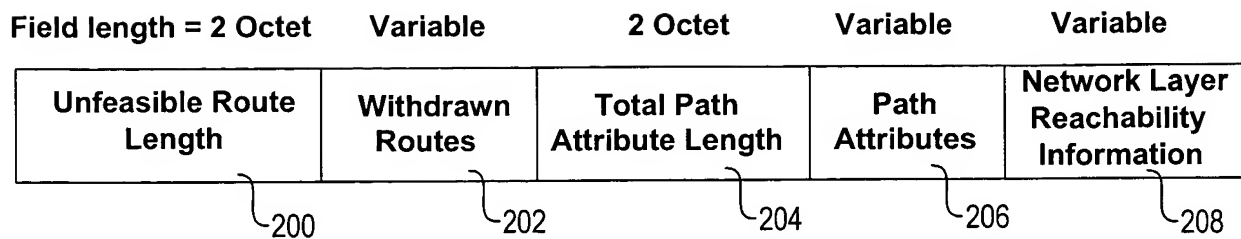


Fig. 7

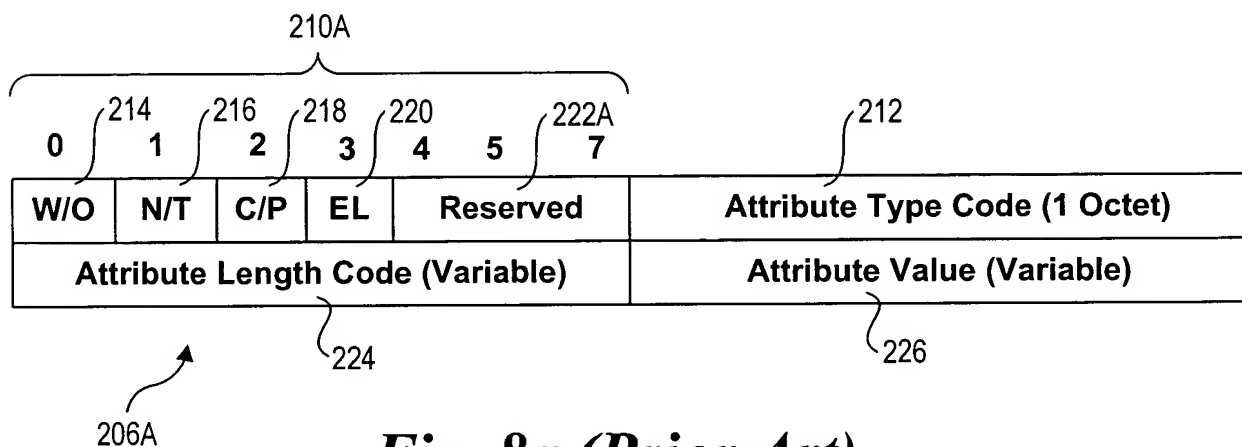


Fig. 8a (Prior Art)

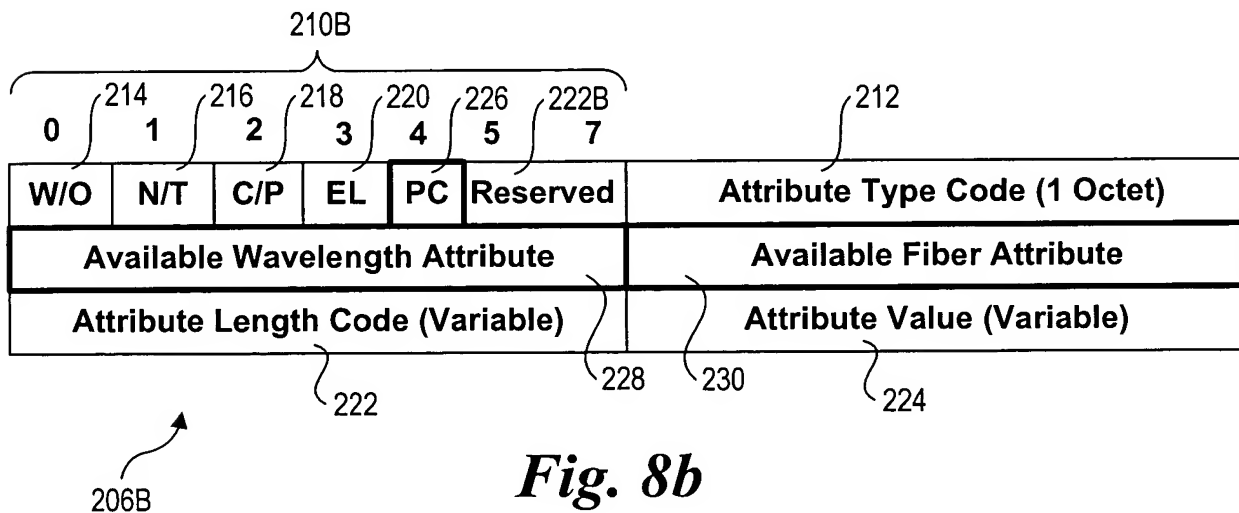


Fig. 8b

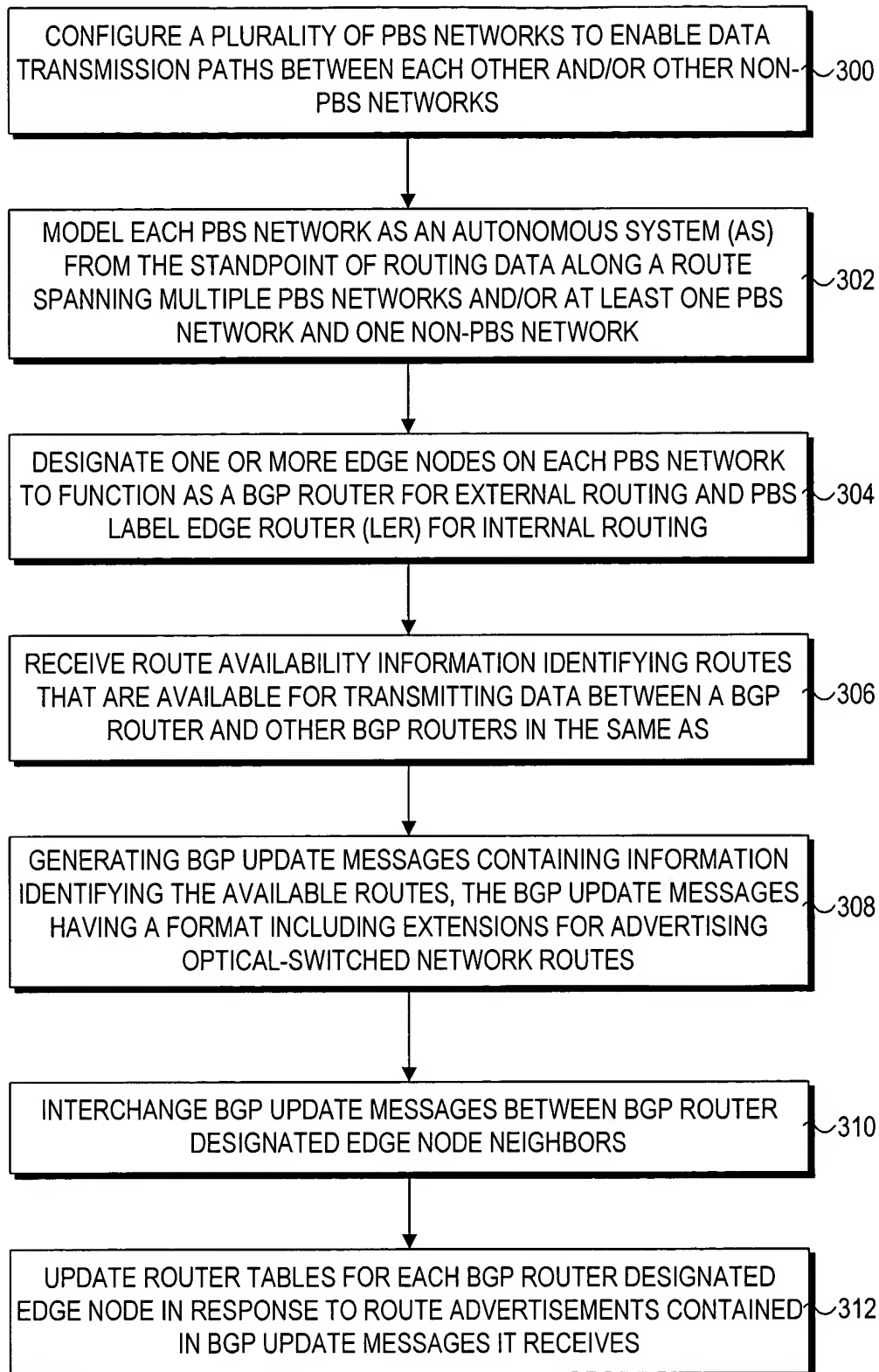


Fig. 9

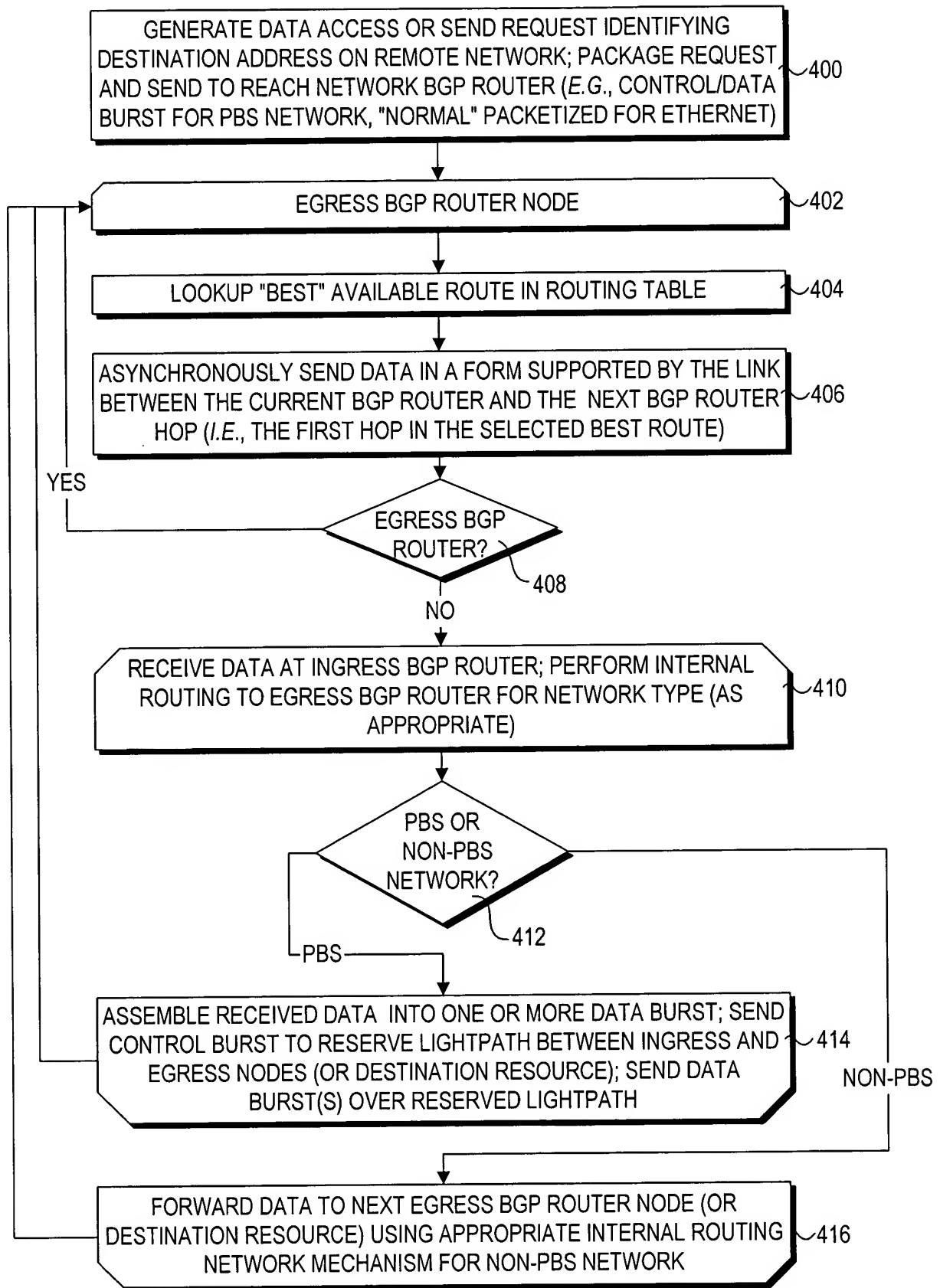


Fig. 10

Fig. 11

